

e. Features believed to be new

1. The integrated optical design of the miniature shear stress probe resulting in an integrated and self contained probe.
2. The design of the micro-shear stress sensor resulting in an extremely small, simple and rugged optical design.
- 3.

f. Close or related patents

5,199,298 4,896,098 5,052,228

g. Publications disclosing invention, including manuscripts in preparation

White paper prepared by the authors entitled "Development of a laser Doppler shear stress sensor".

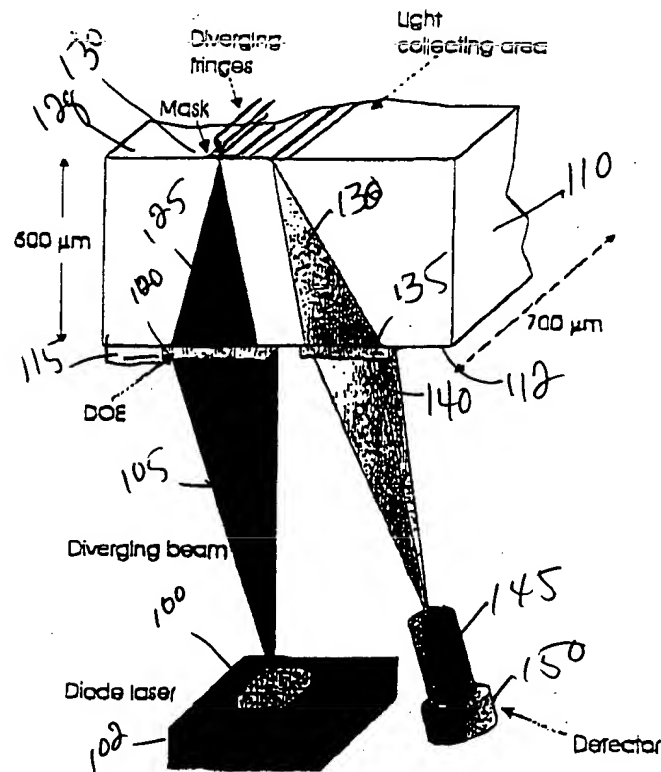


Figure 1. Schematic of the shear stress sensor.

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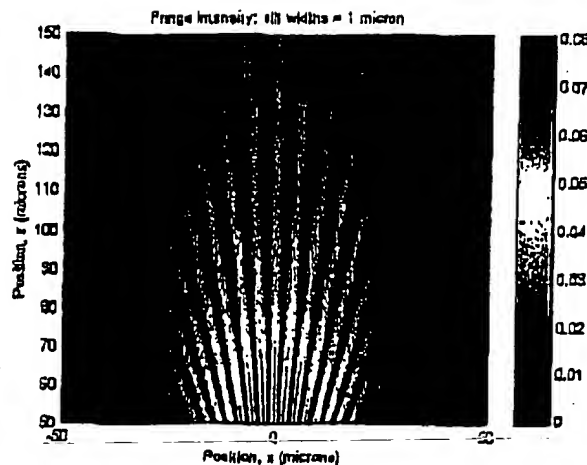


Figure 2. Fringe pattern distribution formed by the shear stress sensor optical assembly.

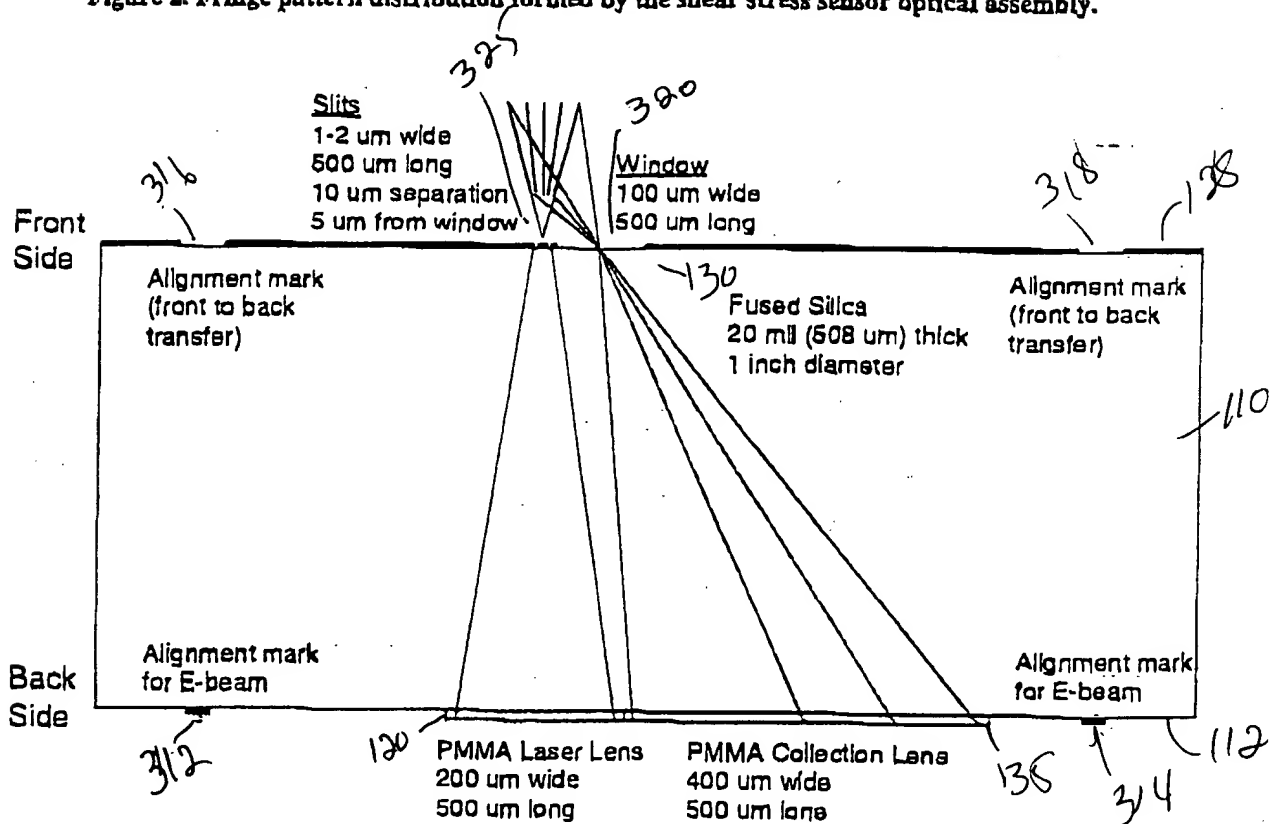


Figure 3. Fabrication sequence.

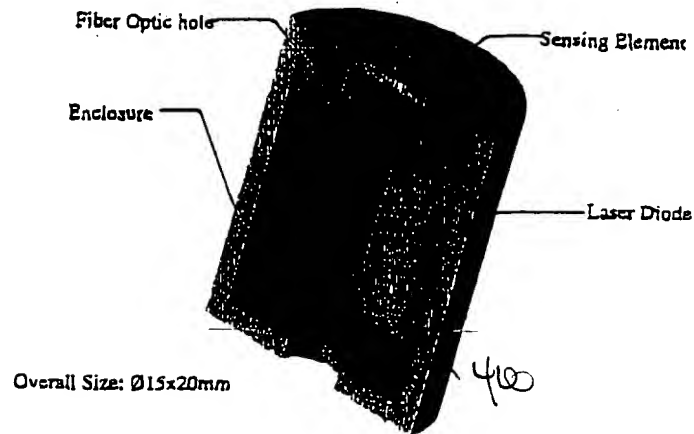


Figure 4. Shear stress sensor assembly.

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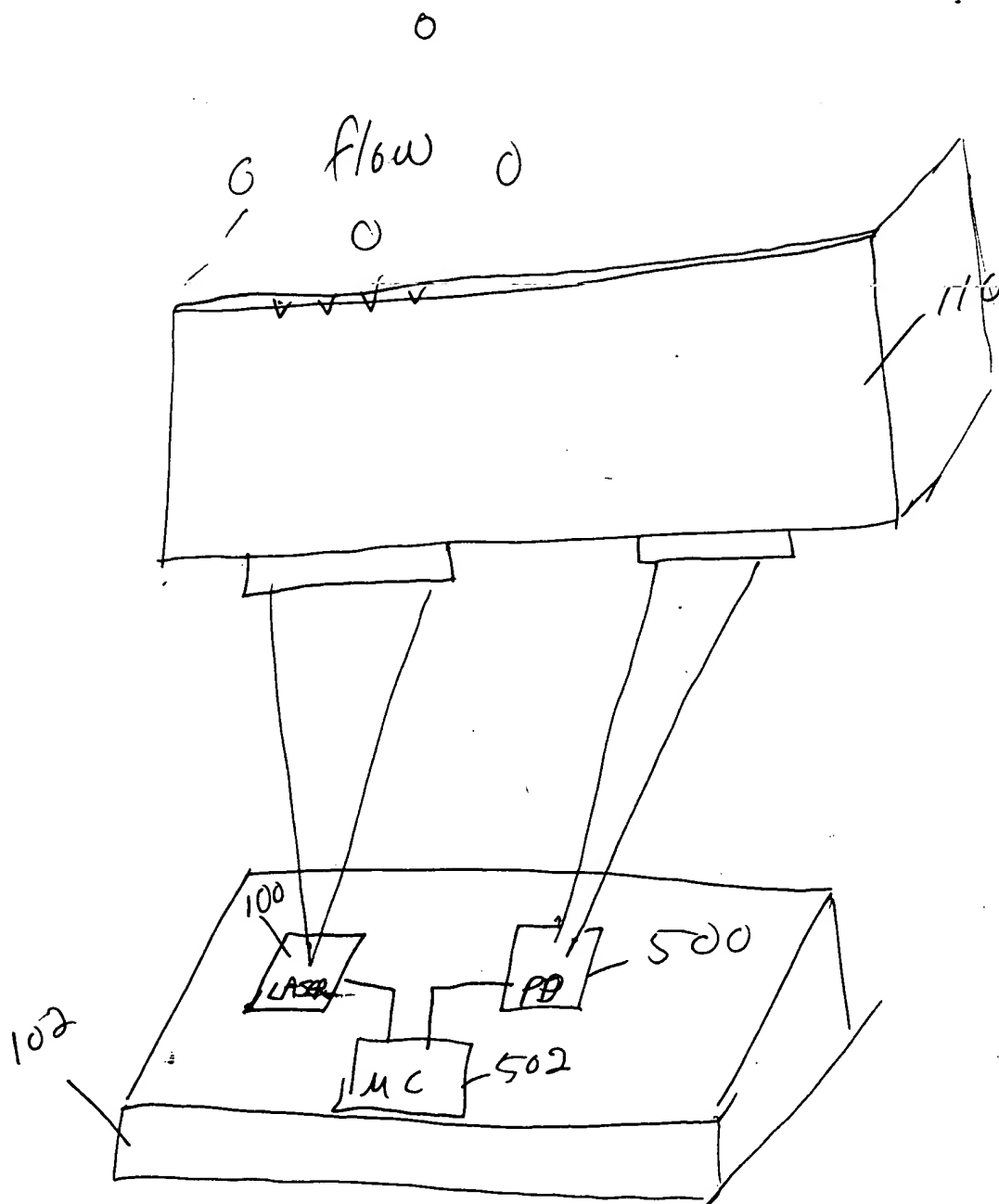


FIG 5

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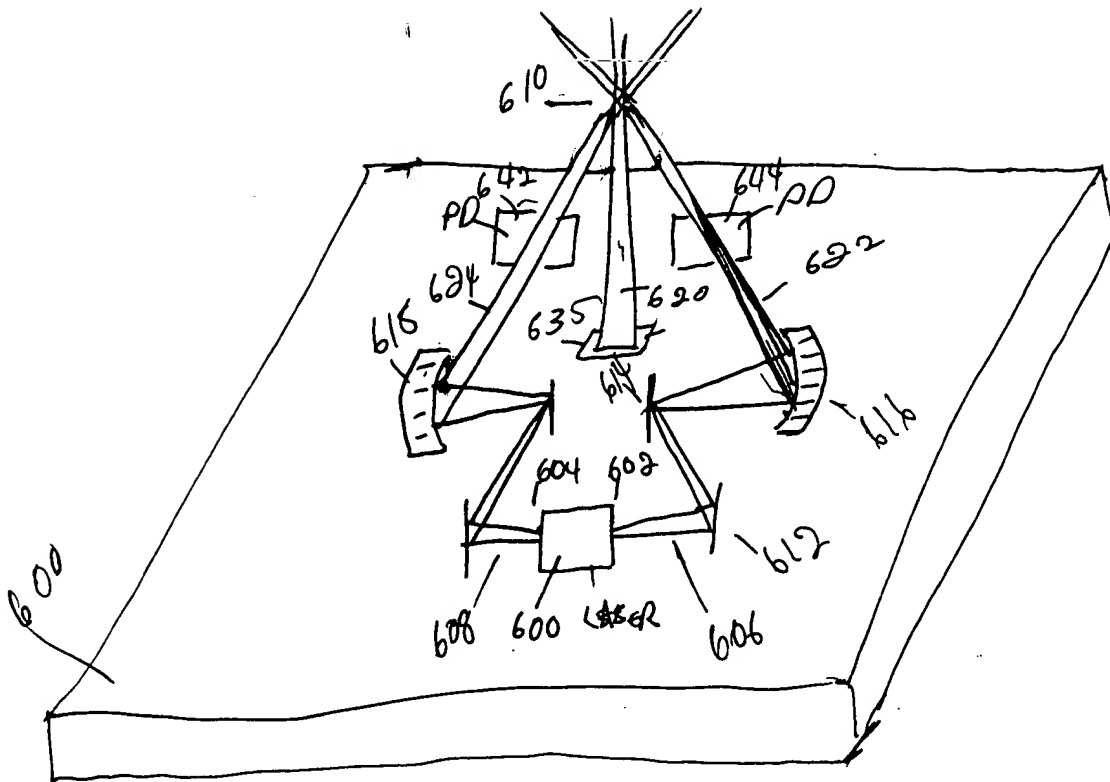


FIG
6A

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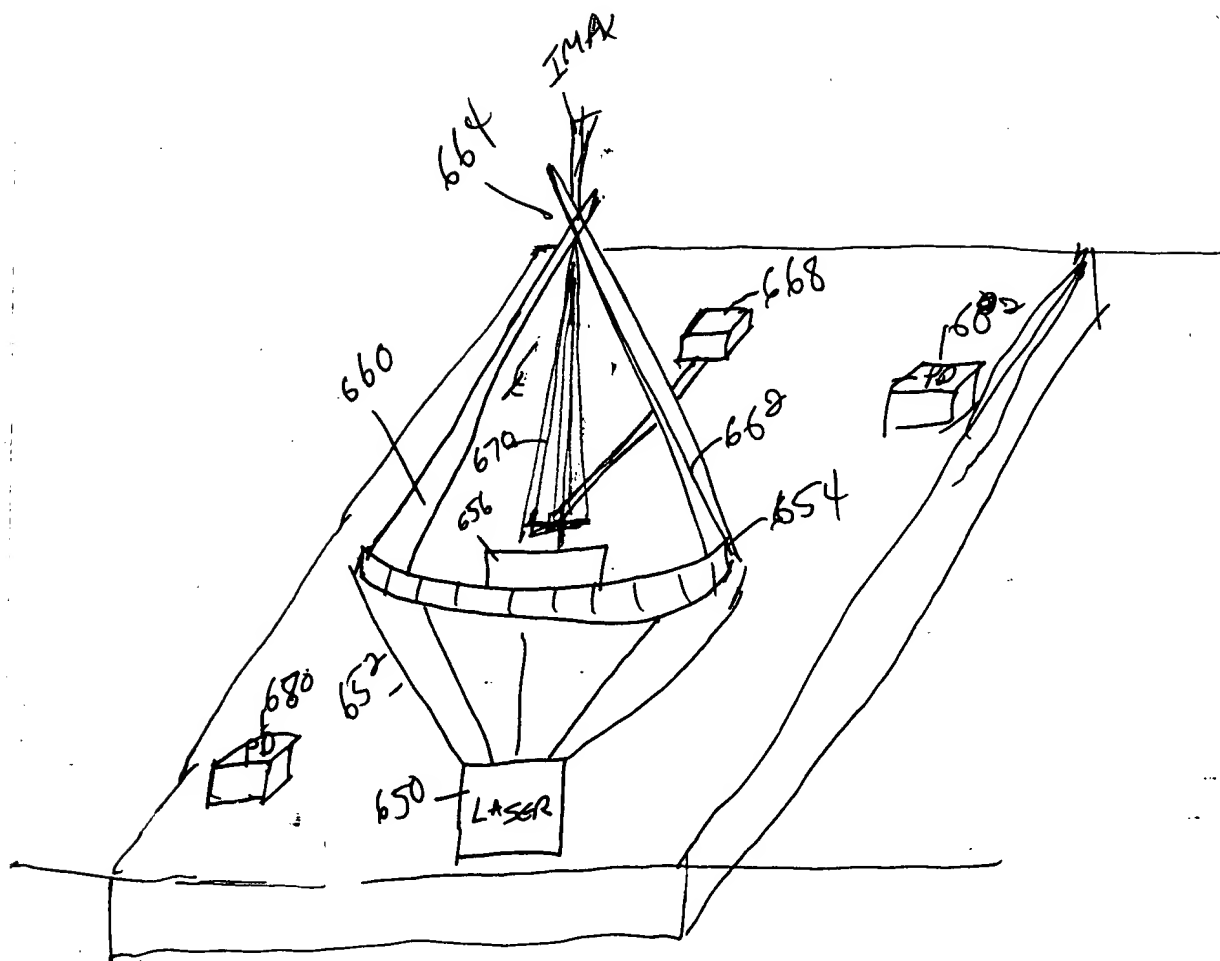


FIG 6B

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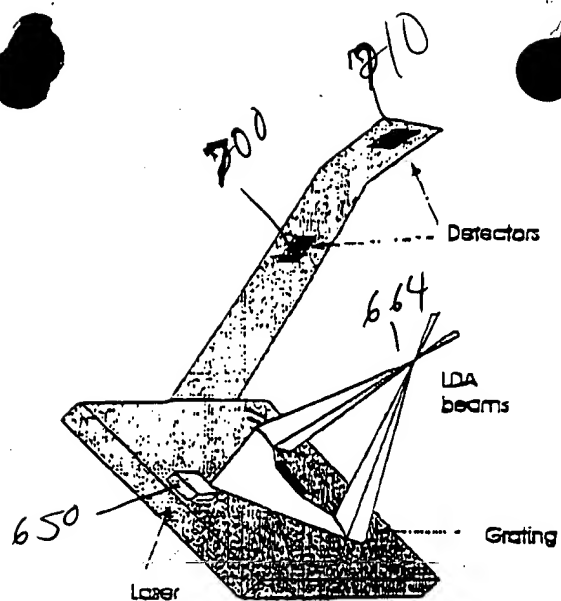


Figure 0. Particle sizing device using phase Doppler technique.

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